

CLAIMS

1. An apparatus for cleaning objects, comprising:

a basin having sufficient size to hold an object for cleaning, the basin having at least one supply nozzle for providing cleaning fluids;

at least one holding device for holding objects to be cleaned; and

the least one cleaning nozzle, attached to the supply nozzle and aligned with the holding device such that cleaning fluids sprayed from the cleaning nozzle are directed to the object in the holding device;

whereby individual objects are secured in front of a cleaning nozzle to insure that they are properly cleaned.

2. An apparatus, as in claim 1, further comprising:

means to adjustably align the cleaning nozzle with the holding device.

3. An apparatus, as in claim 2, further comprising:

at least one extension tube, attached at one end to the supply nozzle, and attached at the other end to the cleaning nozzle, the extension tube having sufficient flexibility to allow it to be adjusted so as to align the cleaning nozzle with the object in the holding device.

4. A kit for attachment to cleaning machines, comprising:

a plurality of holding devices for holding objects to be cleaned; and

a plurality of cleaning nozzles, each cleaning nozzle attached at one end to a supply of solvent, and each cleaning nozzle aligned with a selected holding device such that solvents sprayed from the cleaning nozzle are directed toward the holding device;

whereby individual objects are secured in front of a cleaning nozzle to insure that they are properly cleaned.

5. An apparatus, as in claim 4, further comprising:

a plurality of extension tubes, each having a first end to accept a supply of solvent, and each extension tube further attached to at least one cleaning nozzle; and

means to align each cleaning nozzle with a selected holding device.

6. An apparatus, as in claim 5, wherein:

the extension tubes have sufficient flexibility to allow them to be moved such that the cleaning nozzle's position can be adjusted in relation to its selected holding device.

7. An apparatus, as in claim 4, further comprising:

a plurality of brackets, each bracket having means to attach to a solvent supply, and means to attach to at least one cleaning nozzle; and

means to attach each bracket such that it can be positioned independent of other brackets;

whereby the brackets can be independently attached to a cleaning machine.

8. An apparatus, as in claim 7, further comprising:

means to align each cleaning nozzle.

9. An apparatus, as in claim 8, wherein:

the means to align each cleaning nozzle are comprised of a flexible extension tube, each extension to having a first end to accept a supply of solvent, and each extension tube further attached to at least one cleaning nozzle; and

means to align each cleaning nozzle with a selected holding device.

10. A method of cleaning residue from devices using adjustable cleaning nozzles, including the steps of:

securing an object to be cleaned within a cleaning chamber;

aligning the cleaning nozzle with the object to be cleaned;

supplying solvent to the cleaning nozzle under pressure and ejecting the solvent from the cleaning nozzle toward the object.

11. A method, as in claim 10, including the step of:

providing means to adjust the position of the cleaning nozzle in relation to the object to be cleaned such that alignment of the cleaning nozzle had the object to be optimized.

12. A method, as in claim 11, including the step of:

a securing objects in the cleaning machine with holding devices.

13. A method, as in claim 10, including the step of:

securing objects in the cleaning machine with a plurality of brackets having means to hold objects and holding devices.

14. A method, as in claim 13, including the step of:

providing means to adjust the position of the cleaning nozzle in relation to the object to be cleaned such that alignment of the cleaning nozzle had the object to be optimized.

15. A method, as in claim 14, including the step of:

using a flexible extension tube to align each cleaning nozzle with a selected holding device.

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